

# Centenary College of Louisiana Bulletin

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## General Information

AND

## Announcement of Courses

FOR

1923-1924



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**COLLEGE CALENDAR****SESSION OF 1923-1924****1923**

**September 25, Tuesday.** Registration begins, continuing through Wednesday, September 26. Students who register after Wednesday, September 26, will be required to pay a delayed registration fee.

**September 27, Thursday.** Fall term classes begin.

**October 6, Saturday.** Last day for taking up fall term courses.

**November 11, Sunday.** Armistice Day service.

**November 29, Thursday.** Thanksgiving Day—Holiday.

**December 17, Monday.** Fall term examinations begin, continuing through Thursday, December 20.

**December 21, Friday.** Christmas Holidays begin, continuing through Wednesday, January 2, 1924.

**1924**

**January 3, Thursday.** Registration Day for winter term. Students who register after this day will be required to pay the delayed registration fee.

**January 4, Friday.** Winter term classes begin.

**January 12, Saturday.** Last day for taking up winter term courses.

**February 22, Friday.** Washington's Birthday—Holiday.

**March 21, Friday.** Registration day for spring term. Students who register after this day will be required to pay the delayed registration fee.

**March 22, Saturday.** Spring term classes begin.

**March 29, Saturday.** Last day for taking up spring term courses.

**June 8, Sunday.** Commencement Sermon.

**June 9, Monday.** Class Day.

**June 10, Tuesday.** Commencement Day.

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\*Ex-officio.

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HOMER H. NORTON (Birmingham Southern), Athletic Director.

## GENERAL STATEMENT

**Note:** This is not our regular catalogue. On account of the unparalleled demand from the public, our supply of regular catalogues is exhausted. We therefore find it necessary to issue this special bulletin. Such changes as are herein made take precedence over all other previous official publications.

Centenary College is an A-Grade institution of learning, founded by the Methodist church in 1839. It has had an honored record, but is now entering the most useful epoch in its history.

The endowment of Centenary College is fast approaching the million dollar mark and provides an excellent faculty and good equipment.

**Buildings.** The main building is a four-story brick building, recently remodeled and put in first class condition. It contains biological, chemical, and physical laboratories, and class-rooms. The Gymnasium and Chapel is a large structure, forty by eighty. The Academy building is a two-story, Colonial style building with all modern conveniences. The athletic field is well equipped with grandstand, bleachers, dressing rooms and offices.

The large brick Administration Building is in process of erection. This building will house the offices, library and a number of class rooms. It is the first of three buildings to be erected facing Centenary Boulevard.

There are ten bungalows on the campus for faculty members. In all, there are nineteen buildings on the campus.

## STUDENT ACTIVITIES

Centenary College has all the student activities, such as athletics, literary societies, student publications, Y. M. C. A., Music Organizations, and Dramatic Clubs. These activities afford the student an opportunity to develop himself outside the classroom.

## STUDENT HONORS, AIDS AND PRIZES

There are available at Centenary College a number of honors, aids and prizes. These consist of scholarships, a student aid fund, prizes in oratory and debating and for excellence in scholarship. Full information about these can be had by addressing the president's office.



## GENERAL REGULATIONS

### CO-EDUCATION

The College is open to women on the same terms as to men.

### STUDENT REPRESENTATIVES

To be eligible to represent the College in any public contest or exercise, or to act in any representative capacity for any student organization, a student must have passed at least nine term-hours of his preceding term in attendance; must be registered for not less than twelve term-hours, and must be making passing grades in at least nine term-hours.

### TUITION AND FEES

Tuition and fees are payable by the term in advance. No refund is allowed. Payments by the month are 10% higher than by the term. No credits will be allowed until bills are paid.

Tuition per term of three months.....	\$35.00
Matriculation Fee—once for the year.....	5.00
Contingent Fee per term of three months.....	2.50
Library Fee per term of three months.....	2.00
Athletic Fee per term of three months.....	2.50
Library Deposit, returnable less deductions for fines and damages or loss of books.....	2.00
Laboratory Fee per term of three months for each course in laboratory .....	5.00
Laboratory Deposit, returnable less deductions for breakage, per course.....	5.00
Diploma Fee.....	10.00
Late Registration.....	2.00
Change of course after two weeks.....	1.00
Special Examination.....	2.50
Medical Fee, per term of three months.....	2.00

### BOARD AND ROOM

Board, per term of three months.....	\$72.00
Room, per term of three months.....	18.00

A deposit of \$5.00 is required of each student living in the dormitory and is returnable at the end of the school year, less any damage done to the room or furniture.

Room rent is payable in advance by the term. No refund will be allowed for an absence of less than one month.

Board is payable by the term in advance. No refund is allowed for an absence of less than one week.

Ministerial students and children of ministers wholly engaged in the ministry are given tuition free but are expected to pay all other fees.

Laundry is not furnished by the school, but reliable agents from the city laundries look after this work in the dormitories.

Each student must furnish his own towels, bed linen, quilts, blankets, napkins and toilet articles.

Extra light and heat will be furnished only at regular rates. The student is expected to pay for extra heat and light, such as electric fans and irons.

The medical fee will provide the student all necessary medical advice and attention except in major illnesses. The College will not be responsible for hospital bills made by students unless the proper College authorities agree to same beforehand.

Students who withdraw from the College in the middle of a term may not claim any repayment of College fees and tuition. Unused part of board and room rent will be refunded to students who properly withdraw and for worthy cause. No refund whatever will be granted to a student who is suspended or expelled. Matriculation in the College is an implied contract accepting this rule.

### SESSIONS AND TERMS

The session of the College begins on September 25, and ends on June 10. It is divided into three terms, called respectively, fall, winter and spring terms. The fall term begins with the session and ends on December 21. The winter term begins January 3, and ends March 20. The spring term begins March 21, and ends with the session. A summer session of nine weeks is held beginning a week after the close of the regular session.

### REGISTRATION

Students are required to register for each term of the session on the days indicated below:

For 1923-1924, the registration days are as follows: For the fall term, before Thursday, September 27; for the winter term, Thursday, January 3; for the spring term, Friday, March 21. Those who register after these dates will be required to pay the delayed registration fee, and present satisfactory excuse to the Dean for not registering at the required time.

After October 15, students will be allowed to enter only if, in addition to fulfilling the admission requirements, they pass satis-



factory examinations upon the back work of the courses they desire to take.

Students are urged to plan their work with care, consulting especially those of the teaching staff under whom their main work will lie, and bearing in mind the requirements for the degree desired.

### CHANGE OF ADDRESS

If a student, after registration, changes his home or his Shreveport address, he is expected to notify the registrar in writing at once. He will be held responsible for all communications from the College offices sent to him at the address last given.

### SUMMONS TO ADMINISTRATIVE OFFICES

A summons to the office is imperative, and must be heeded at the time set in preference to other duties. Failure to heed such warnings will render the student liable to severe penalty.

### PETITIONS AND OFFICIAL COMMUNICATIONS

To avoid confusion and secure proper record, it is required that petitions of students be put in writing.

To prevent misunderstanding, it is necessary that official communications be in writing. Especially should a student insist that a recommendation about himself from one member of the staff to another be written.

### WITHDRAWAL

**Temporary Withdrawal.** If a student is compelled to be absent from his work for an indefinite period, likely to be longer than one week, he shall apply to the Dean for a temporary withdrawal. No repayment of fees is permissible, but, his instructors being notified by the secretary, he is not reported as absent from his classes. When he returns to the College he must, in order to be readmitted to his classes, make application to the Dean. In every case of temporary withdrawal, the parent or guardian is notified.

**Permanent Withdrawal.** A student with adequate cause wishing to withdraw from the College for the rest of the academic year must apply to the Dean for official permission for honorable dismissal. He may then apply to the bursar for such fees as are refunded by the regulations of the school. Money will be repaid only to the payee, except on a written order from the payee. (Adequate

cause is serious illness or conditions over which the student has no control.)

Every student, on his withdrawal, is entitled to a statement of his record if all bills have been properly settled at the office. The term "statement of record" is understood to refer to the recorded results of a student's work in the classroom. This statement will contain all the important facts pertaining to the student's admission classification, and scholarship. No partial or incomplete classroom record (for example, with failures omitted), will be given without clear evidence that it is partial or incomplete.

### **DISCIPLINE**

Students are trusted to conduct themselves properly. If, however, it becomes apparent that any student, by misconduct or by neglect of studies, is doing harm to himself or others, the faculty will use all appropriate means of discipline. The following penalties may be resorted to: Admonition, probation, suspension, and expulsion. These penalties will not necessarily be inflicted in regular gradation, but any one will be imposed as the circumstances demand.

### **BOARD AND ROOM**

Students will not be allowed to room or board at places disapproved by the administration.

The College does not have a dormitory for girls, but there are reputable boarding houses near the campus, under the supervision of the College, where young women may obtain board and room at reasonable rates.

## **REQUIREMENTS FOR ADMISSION**

### **METHODS OF ADMISSION**

Admission to the College may be made by certificate, by examination, or by individual approval. Until further notice, students may be admitted conditionally with only fourteen units, but the deficiency must be made up the first year. In satisfying admission requirements, a college course counts as the equivalent of one and one-half units.

**1. Admission by Certificate.** Students from approved high schools will be admitted to the freshman class without examination on the presentation of fifteen units of work done in such high school.

Students who expect to offer their high school records as a basis for entrance into the College will not be allowed to register before they have filed with the registrar their high school certificates show-

ing fifteen units. Attention to this matter is essential. The proper blank will be furnished on request.

**2. Admission by Examination.** Students from schools below the standard of the approved high schools may be entered as freshmen in the College after an examination that shows proficiency in the subjects required for admission.

To secure credit in any subject, the applicant must make a grade not lower than 70. In grading examination papers, whatever the subject, account will be taken of the applicant's use of English. Excellence in one subject will not make up for deficiency in another. Credits are not divisible in any subject. Every natural science examination paper must be accompanied by a laboratory note-book.

**3. Admission by Individual Approval.** At the discretion of the Dean, an applicant over twenty-one years of age may be admitted without examination on the following conditions: (a) He must make written application; (b) He must furnish evidence that he has substantially covered the ground of the units required of other candidates, and that he has sufficient ability and seriousness of purpose to do the work desired with profit to himself and to the satisfaction of the College, and (c) He must show by the writing of a composition that he has an adequate command of English.

Admission by individual approval contemplates applicants who have not recently attended school and are not, therefore, in position to pass admission examinations.

Students admitted by individual approval are to meet the same scholarship requirements in their college work as other students.

Students admitted by individual approval can not become candidates for degrees until they have satisfied the admission requirements.

### SUBJECTS AND UNITS ACCEPTED FOR ADMISSION

A unit implies nine months of high school study of five class periods a week; each class period at least forty minutes long.

#### PREScribed SUBJECTS

	Units
English .....	3
Mathematics .....	3
Algebra, 2	
Plane Geometry, 1	
*Modern Languages or Latin.....	2 or 3
History .....	2
Elective Subjects.....	4 or 5

\*Candidates for the A. B. degree must offer three units in Latin for entrance.

**COMPLETE LIST**

**English,** 3 or 4.

**Social Sciences:**

- Ancient History, 1.
- Medieval and Modern History, 1.
- American History,  $\frac{1}{2}$  or 1.
- English History,  $\frac{1}{2}$  or 1.
- Civics,  $\frac{1}{2}$  or 1.

**Mathematics:**

- Algebra, 2.
- Plane Geometry, 1.
- Solid Geometry,  $\frac{1}{2}$ .
- Trigonometry,  $\frac{1}{2}$ .

**Foreign Languages:**

- Latin, 2, 3 or 4.
- Greek, 2 or 3.
- German, 2 or 3.
- French, 2 or 3.
- Spanish, 2 or 3.

**Natural Sciences:**

- Biology, 1.
- Botany, 1.
- Chemistry, 1.
- Physiography, 1.
- Physics, 1.
- Physiology and Hygiene,  $\frac{1}{2}$  or 1.
- Zoology, 1.

**Vocational Subjects** (Not more than 2 units allowed):

- Agriculture, 1 or 2.
- Commercial Geography,  $\frac{1}{2}$ .
- Domestic Science, 1.
- Drawing, 1.
- Manual Training, 1.
- Commercial Subjects, 1 or 2.
- Music, 1.

## SCHOLARSHIP REGULATIONS

### DEFINITION AND SELECTION OF COURSES

**Definition of Courses.** Instruction is given in full, one-third, two-thirds, one and one-third, or one and two-thirds courses. A full course implies three classroom hours a week, or their equivalent, throughout the session; a one-third course, one classroom hour throughout the session, or three classroom hours a week for one term, and so on. For each classroom hour two hours of preparation are expected.

Two or three hours of laboratory work are counted as equal to one classroom hour and the preparation for it. Some of the science courses are planned to require outside preparation for laboratory while others are not.

Where the word "course" is used in the catalogue without qualification, a full course is meant.

**Advanced Courses.** Definition: (1) A course counts as advanced if it is open only to students who have completed two numbered courses in the same subject, except in commerce, sociology, economics, government, philosophy, education, and psychology, when one previous course is sufficient.

(2) With the approval of the Committee on Credits, a course is also counted advanced if it is open only to (a) students who have completed two numbered courses in the same subject; (b) students of junior standing, and who have completed one numbered course in the same subject with an average grade of 75 or over, are allowed to take along with the higher course the second course ordinarily a prerequisite, this second course to be completed before the higher course can be counted toward a degree.

(3) Courses counted advanced under 1 and 2 are marked A in the catalogue.

**Selection of Courses.** The only way to become a member of a class is to register for it in the regular way at registration; or, if it is desired to add a course after registration is completed, by petition to the dean. In either case the instructor gets the student's name by a card sent from the registrar, and in no other way.

### AMOUNT OF WORK

**Number of Courses Permitted and Required.** The normal amount of work that students are expected to carry at one time is five courses, or fifteen hours. More than seventeen hours, or less



than 12 hours (four courses), a student may not carry, except on petition approved by the Classification Committee or the dean.

Permission to take more than seventeen hours (five and two-thirds courses) will be granted only to students (except pre-medical students), above freshmen who have passed at least fifteen hours (five courses) the preceding term with an average of 75. No student may receive credit for more than twenty hours (six and two-thirds courses) in one term.

Pre-medical students who desire to take the two-year pre-medical course will be permitted to carry two sciences and three other courses both the first and second years as long as they are doing satisfactory work.

If a student, in addition to his class work, assumes the duties of an assistant, the number of courses for which he may register is reduced, each three hours of this work being considered as one-third of a course.

Students are given much freedom in their selection of courses. The aim of the requirements is to make sure that the student does substantial, well co-ordinated work in some field of knowledge chosen by himself and secures at least an introduction to the other important branches of thought.

First and second year students, whether candidates for degrees or not, are required, unless especially excused by the Dean, to take the work laid down for regular freshmen and sophomores. (See the section in the Catalogue on "Requirements for Degrees.") If the student does not get special permission before the end of the registration period, to change from the prescribed program, he shall register according to the catalogue and petition for a change afterward.

**Importance of Taking Five Courses.** Under all ordinary circumstances, the student should take five courses (15 hours). The completion of five courses (15 hours), in the freshman year is necessary in order that the student can take courses in his second year that are restricted to students of sophomore standing.

**Permission to Take Fewer Than Four Courses.** Permission to take fewer than four courses (12 hours), is granted only in rare cases, such as in the case of physical disability or other good cause. The student should petition the dean for such permission and must do so before registering. Students who take fewer than four courses (12 hours), are expected to show special zeal in their work, are at all times under special observation, and may remain in the College only if they pass in all their courses, and if their conduct is exemplary.



A student under twenty-one can secure the privilege of taking fewer than four courses (12 hours), only by presenting the written request of his parent or guardian, accepting the conditions on which the privilege is granted. (See above).

### ADDING AND DROPPING COURSES

After the first registration of a term, a student may add a course only with the permission of the instructor, approved by the dean.

Credit will be given for courses begun after the first two weeks of the class only after an examination is passed on the work already covered or on special permission of the dean.

For a weighty cause, a student may drop a course with the consent of the instructor in charge, and approved by the dean, but in no case shall the total number of hours carried be less than twelve.

To drop a course without permission (and persistent absence from class amounts to dropping), means to sever one's connection with the College.

On the recommendation of the instructor concerned, approved by the dean, a student may be required to drop a course because of lack of preparation, neglect, or unwholesome attitude and conduct in the class.

Proper forms for adding and dropping courses are furnished by the secretary. These forms must be properly and promptly executed, signed and returned to the secretary before any change is complete, and before credit will be allowed.

A student who drops a course after the first four weeks of any term for any cause other than withdrawal from the College is, within the discretion of the dean, given "50" on the course for the term.

### SECTION CHANGES

After registration a student may change from one section of a course to another only on petition approved by the head of the department concerned and approved by the dean of the College.

### ATTENDANCE AND ABSENCE

**Absence From Class.** The maximum number of unexcused absences allowed from a class during any term shall be three. Absences occurring on the last two days preceding, or the first two days following any vacation or holiday, shall be treated as two absences.

If unexcused absences accumulate in a course during any term to a number exceeding three, the student shall be dropped from the course. In order to be readmitted to the course, and pursue the work for credit, the student must pass a reinstatement examination over

the work of the course up to the time of the examination. If a student is taking only four courses (12 hours) and fails to pass the re-instatement examination, he may be required to withdraw from the College.

**Absence Excuses.** Excuses for absences, in order to be considered, must be presented to the Dean within three days after the occurrence of the absence, and must be in writing. If the dean approves the excuse, it must then be turned in to the secretary's office by the student where he will be given a receipt in return for his excuse to be presented to his instructor.

**Dormitory Students.** When sickness is presented as an excuse for absence from school obligations, the student residing on the campus must have reported his illness to the instructor residing in his dormitory and must have been sick enough to be confined to his room and unable to go to the dining room, athletic field, and evening social events on the day the sickness and absence occurred. No excuse pleading sickness will be considered unless these interpretations are strictly observed. A student residing in a dormitory must, therefore, have his excuse pleading sickness first signed by the instructor living in the dormitory before presenting it to the Dean for his consideration.

**Town Students.** For all absences, regardless of cause, students residing in the city must present to the Dean, for consideration, a written excuse signed by their parent or guardian.

All absences, whether excused or unexcused, shall be made up to the satisfaction of the department concerned. In case a student has been absent more than 15 per cent of the exercises actually given in a course, he may be debarred from final examination in that subject by action of the faculty on recommendation of the instructor concerned.

**Church Attendance.** Students are urged to attend the Church of their parents or one of their own choice, and are expected to do so.

**Chapel Attendance.** Students are required to attend all chapel services. Absence from chapel is reported to the Dean, and a written excuse for his consideration must be presented, as in the case of class absences.

**Absence From Term Examinations.** Students who fail to attend final examinations of the classes in which they are enrolled will be marked conditioned. No teacher or officer of the College will excuse any such absence in advance. Such conditions may be removed in the following manner:

(a) Before going away the student is required to make a written statement of his reasons for going; to show this statement to each of his teachers; to receive the signature of each thereon to indicate having been informed of the intended absence of the student, and to file this statement so signed with the Dean. Failure to file such statement before going away will bar credit unless a satisfactory explanation for such failure is made to the Dean.

(b) The next term the student must complete the unfinished work to the satisfaction of the teacher.

**Absence from the City.** No student shall leave the city without the permission of the Dean or, in case of the Dean's absence from the city, from the instructor residing in the student's dormitory.

### EXAMINATIONS

Examinations are held each term and cover all the work taken during the term.

### GRADES, CREDITS, AND REPORTS

Grades are earned as follows: 90-100, excellent; 80-90, good; 75-80, fair; 70-75, pass; below 70, failure.

A grade of 70 or above is required on any course before it can be counted toward a degree.

No student may expect to receive a passing grade in any college subject who does not use good English in essays, examinations, and the other tests of proficiency required of students in the course.

No permanent credit will be assigned for less than a full year's satisfactory work in any elementary language course.

Reports concerning class standing are sent to the parents or guardian of all students at mid-term and at the close of each term.

Grades are given by terms, but no course will be counted toward a degree until credit has been received for all the terms covered by it.

Each student on entering will be issued a "Complete Record of Work." This record is to keep the student informed at all times about his entrance credits and College courses. For this information he will be held responsible. Every student must present his "Complete Record" each time he re-enters the College. The "Complete Record" will be posted in the secretary's office at the close of each term. Students are required to turn in to the secretary's office, their Record books at the times specified.

**Higher Work After Failure.** If a student fails in a course, he may not take up a higher course in the same subject until the lower course is taken again. If a student makes a conditioned pass in a course, he may take up a higher course in the same subject only with the permission of the department concerned, approved by the Dean.

### AMOUNT OF WORK IN WHICH A STUDENT MUST PASS

In order to remain in the College, a student must pass at least nine hours of his scheduled work. A student who fails to pass nine hours at the mid-term or at the close of the term may be put on scholastic probation for a definite period, during which time he must show marked improvement.

### CLASSIFICATION OF STUDENTS

Matriculated students whose record as to entrance requirements and the completion of prescribed courses is satisfactory to the Committee on Classification and Credits are classified as follows:

**Freshmen**—Those who have completed less than 36 term-hours.

**Sophomores**—Those who have completed 36 term-hours.

**Juniors**—Those who have completed 90 term-hours.

**Seniors**—Those who have completed 135 term-hours.

### REQUIREMENTS FOR DEGREES

#### AMOUNT OF WORK

The College offers two degrees: The Bachelor of Arts degree, and the Bachelor of Science degree.

One hundred and eighty-three term-hours are required for graduation, partly specified and partly elective. The term-hour signifies the satisfactory completion of work requiring attendance at class one hour or in laboratory two hours a week during a term of three academic months. Three term-hours means credit for attendance in class three hours a week for three months.

#### PREScribed COURSES

Bible .....	3 terms (one year)
English 1 and 2 .....	6 terms (two years)
History and Economics .....	6 terms
*Mathematics (Solid Geometry, Trigonometry, and Analytics) .....	3 terms
Psychology and Ethics .....	3 terms
**Foreign Language .....	6 terms
Natural Science .....	6 terms
The courses set down in one of the degree groups.	

\*Candidates presenting Solid Geometry or Trigonometry, or both, on entrance must take College Algebra and Analytics.

\*\*Candidates for the A. B. Degree must take Latin.

### MAJORS AND MINORS

Every student must arrange his elective work to center around some subject or department. This department is called his major, and, for graduation, it is required that a student's course include, three full courses in his major, and two full courses in a related minor. The first year in English and Modern Languages is not allowed to count in a major or minor. A student by properly arranging his course may in effect have two majors.

The professor under whom each student selects his major subject acts as the adviser of that student in the selection of his minor. Each student is required by the beginning of his junior year to select his major and minor, and this selection must be submitted to the dean for approval.

In arranging class work, each student will provide first for all his required work, and then for his major and minor courses. There will still be left a number of hours to be devoted to elective work—that is, to any course chosen from those listed in the catalogue under different departments or subjects.

Prescribed subjects should be taken as far as possible during the first two years of residence.

### DEGREE GROUPS

The courses laid down in one of these groups must be included in the 183 term-hours required for graduation.

#### Ancient Language Group (Greek, Latin)

**Major Subject:** Three courses (27 term-hours) in Greek or Latin.

**Minor Subject:** Two courses (18 hours) in a second subject elected by the student.

#### English Group (English, Literature)

**Major Subject:** Three courses in English, in addition to English 1.

**Minor Subject:** Two courses in a subject elected by the student.

#### Mathematics Group

**Major Subject:** Three courses in Mathematics.

**Minor Subject:** Two courses in a second subject, preferably Physics, Philosophy, Chemistry, or Economics.

#### Modern Language Group (French, German, or Spanish)

**Major Subject:** Three courses in French or German or Spanish.

**Minor Subject:** Two courses in a subject elected by the student.



**Natural Science Group (Botany, Chemistry, Physics, Zoology)**

**Major Subject:** Three courses in one natural science.

**Minor Subject:** Two courses in a second natural science unless the major is Physics, in which case there must be two courses in mathematics. Students majoring in this group are advised to satisfy the language requirements with French or German.

**Social Science Group**

**(Economics and Sociology, Government, History, Philosophy and Psychology)**

**Major Subject:** Three courses in one social science.

**Minor Subject:** Two courses in a second subject elected by the student.

**ORDER AND CHOICE OF WORK****Freshman Year**

1. The following work is prescribed for the freshman year:
  - (a) English.
  - (b) Science or History or Economics.
  - (c) Foreign Language.
  - (d) Mathematics.
  - (e) One elective subject.
  - (f) Physical Training.
2. Only courses marked with a capital F are open to freshmen.

**Sophomore Year**

1. The following work is prescribed for the sophomore year:
  - (a) Any unabsolved freshmen requirements.
  - (b) English.
  - (c) The foreign language begun in the first year.
  - (d) Science or History or Economics.
  - (e) Enough other courses to make five.
  - (f) Physical Training.

**Junior and Senior Years**

1. Psychology or Ethics.
2. Bible (if not already taken).
3. Nine electives or enough to total 183 term-hours.

**RESIDENCE**

A student must have spent at least one year in residence at Centenary College, passing not less than 36 term-hours during residence.



**WORK PREPARATORY TO MEDICINE**

Admission to the leading medical schools of the country may be satisfied by fifteen admission units, and, in addition a two years' pre-medical course. The following is an outline of the two-year course:

**Two-Year Course****Freshman Year:**

- (a) English.
- (b) Biology.
- (c) Inorganic Chemistry.
- (d) Mathematics.
- (e) French or German.
- (f) Physical Training.

**Sophomore Year:**

- (a) English.
- (b) The foreign language begun in the freshman year.
- (c) Organic Chemistry.
- (d) Physics.
- (e) Vertebrate Zoology.
- (f) Physical Training.

If a four-year course preparatory to medicine is desired, the following plan is suggested:

**Four-Year Course Leading to Bachelor of Science Degree****Freshman Year:**

- (a) English.
- (b) French.
- (c) Mathematics.
- (d) Inorganic Chemistry.
- (e) Biology.
- (f) Physical Training.

**Sophomore Year:**

- (a) English.
- (b) French.
- (c) Qualitative Analysis or Organic Chemistry.
- (d) Physics.
- (e) Vertebrate Zoology.
- (f) Physical Training.

**Junior Year:**

- (a) German.
- (b) Organic Chemistry, in case Qualitative Analysis was elected in the sophomore year.
- (c) Cellular Biology and Embryology.
- (e) Economics or Government.
- (f) One elective subject.
- (g) Physical Training.

**Senior Year:**

- (a) German.
- (b) Psychology.
- (c) Advanced Zoology.
- (d) Elective up to three courses.
- (e) Physical Training.

The courses in chemistry consist of three lectures and six hours' laboratory work in inorganic chemistry, two lectures and six hours' laboratory work in organic chemistry and qualitative analysis.

The courses in biology consist of three lectures and four hours' laboratory work in freshman biology, and two lectures and four hours' laboratory work in vertebrate zoology.

No student can enter the course in physics who has not had Mathematics 1.

French or German must be continued through the second year.

**COURSES PREPARATORY TO LAW**

Students should realize that law is peculiarly an intellectual profession, and for its successful prosecution, whether in law school or in the broader field of professional life, demands a well trained mind. The experience of all law teachers is that the standing and progress of law students may, in general, be measured by their academic preparation. Students are therefore advised by law faculties not to begin the study of law until they have completed a four-year college course. This standard is not exacted but students must have in addition to fifteen admission units, at least two years of preparatory work in a standard college.

For a two-year course or for the first two years of a four-year college course preparatory to the study of law, the following course is suggested:

**Freshman Year:**

- (a) English.
- (b) History.
- (c) Economics.

- (d) French or Spanish or Latin.
- (e) Mathematics.
- (f) Physical Training.

**Sophomore Year:**

- (a) Government or Constitutional Law.
- (b) Psychology.
- (c) English.
- (d) French or Spanish or Latin.
- (e) Chemistry or Biology.
- (f) Physical Training.

Other courses such as logic, ethics, accounting, and a continuation of those outlined above, may be taken during the junior and senior years, if the four-year course is chosen.

Centenary College can offer either the two or four-year course. Pre-law students at Centenary have the opportunity to see city, county, district, and federal courts in operation and also to make the acquaintance of prominent lawyers.

**COURSES PREPARATORY TO ENGINEERING**

In addition to fifteen entrance units, all the standard engineering schools require at least one year's preparatory work. This is true of all branches of engineering. The following is the course prescribed by the engineering schools:

- (a) Mathematics.
- (b) Inorganic Chemistry.
- (c) English.
- (d) Physics.
- (e) One elective subject.
- (f) Physical Training.

Centenary College offers in addition to this one-year course, a regular four-year course preparatory to engineering. The freshman year would be the same as outlined above. During the other three years the student should specialize in physics, mathematics, and chemistry.

**SCHOOL OF COMMERCE**

This department is conducted with two aims in view: One, to offer the student in other departments of the College an opportunity to acquire knowledge of utilitarian value; the other, to care for students who have spent as much time as they can in acquiring knowledge and training of a general nature, and who wish training which will enable them immediately to enter business life and become self-supporting.

Courses may be selected as follows:

**One-Year Business Course**

Accounting 1.....	3 terms
English 1.....	3 terms
French or Spanish.....	3 terms
Economics .....	2 terms
Commercial Law.....	1 term
Typewriting .....	3 terms

**Two-Year Business Course—Second Year**

Vocational Psychology.....	2 terms
Business Administration.....	1 term
English 2.....	3 terms
Banking .....	2 terms
Advanced Accounting.....	3 terms
Marketing .....	1 term
French or Spanish.....	3 terms

**One-Year Secretarial Course**

Shorthand and Typewriting.....	3 terms
English 1.....	3 terms
French or Spanish.....	3 terms
Commercial Law.....	1 term
Economics .....	2 terms

**Two-Year Secretarial Course (Second Year)**

Shorthand and Typewriting.....	3 terms
English 2.....	3 terms
Banking .....	2 terms
Marketing .....	1 term
French or Spanish.....	3 terms

Students desiring a combined course may take one of the one-year courses the first year, and the other one-year course the second year. For such students, second-year subjects will be substituted in the second year in place of economics and commercial law. Students who complete either one of the "One-Year Courses," will be given a Certificate of Proficiency. Students who complete either of the "Two-Year Courses" or the Combined Course will be awarded a Diploma from the School of Commerce.

## DEPARTMENTAL STATEMENTS

Full courses, or nine-hour courses, are designated by numbers under 100; three-hour courses, by numbers beginning with 100; six-hour courses, by numbers beginning with 200. Nine-hour courses and six-hour courses must be completed before any part can be counted toward a degree. For example, the fall and spring terms of English 1 can not be counted toward a degree until the winter term is completed.

The lower-case letters, f, w, s, following a course indicate the term in which the course is given (fall, winter, spring).

The lower-case letters, a, b, c, following a course number designate a particular portion of the course, and also show that this portion may not be counted till the whole course is completed. The fall term's work is indicated by a; the winter term's work by b; the spring term's work by c.

Freshman courses are indicated by the capital letter F; advanced courses by the capital letter A.

## ANCIENT LANGUAGES

### GREEK

1. **F. Beginner's Greek.**—For freshmen entering college without preparation in Greek. This course consists of a drill in vocabulary, forms, and elementary syntax. Nine term-hours.

202fw. **Homer's Odyssey.**—Books I-IV, or Iliad, Books I-III  
Prerequisite: Greek 1. Six term-hours.

102s. **Plato, Apology and Crito.**—A continuation of Greek 202.  
Prerequisite: Greek 202. Three term-hours.

3. **New Testament.**—A close study of Saint Luke's Gospel and a rapid reading of the Gospels with selections from the Pauline Epistles. Prerequisite: Greek 202 and 102. Nine term-hours.

103f. **Demosthenes' Oration on the Crown.**—Prerequisite: Greek 202. Three term-hours.

203ws. **Greek Tragedy.**—Aeschylus *Seven Against Thebes*, and Sophocles' *Oedipus Tyrannus* will be read. A study of the origin and development of the Greek drama will be made. Six term-hours.

### LATIN

A. F. **Beginners' Latin.**—Conducted in part by the direct method; special attention to word foundation and the fundamentals of syntax, followed by reading in Caesar. (No College credit).

**B. F. Reading and Composition.**—Cicero and Virgil, selected according to the needs of the students.

Latin A and the first term of Latin B absolve the admission requirements in Latin. The last two terms of Latin B may be credited toward a degree.

202fw. **F. Virgil's Aeneid.**—Prerequisite: Three entrance units. Six term-hours.

201fw. **Horace.**—Selections from the Odes, Epistles, and Satires. Prerequisite: Latin 202. Six term-hours.

101s. **F. Livy and other Roman Authors.**—Prerequisite: Latin 202. Three term-hours.

103s. **Cicero's Correspondence.**—Prerequisite: Latin 201 or 202. Three term-hours.

3. **A. Pliny; Cicero; De Senectute and De Amicitia; Selections from Catullus.**—Prerequisite: Eighteen term-hours of Latin. Nine term-hours.

4. **A. Tacitus and Juvenal.**—Prerequisite: Twenty-seven term-hours of Latin. Nine term-hours.

## BIBLE

1. **F. Syllabus of the Bible.**—An outline study of the Bible. The structure and general arrangement of the Book are carefully considered. A foundation is laid for research. The student is made familiar with the Bible as a working library—a comprehensive guide in both religious and moral conduct. Nine term-hours.

201fw. **F. Old Testament Study.**—A detailed course in fundamentals. The story of the building of a nation; the influence of the desert; the impact of polytheism and native institutions; the slow growth of nationalism and the long struggle for democracy, as illustrated in the Hebrews, is traced. Text: **History of Hebrew Commonwealth**, Kent and Bailey. Six term-hours.

101s. **F. Life of Jesus.**—Based upon the synoptic gospels. Rapid readings. The student will write a brief biography of Jesus. An attempt to interpret the turning points in the life of Christ will be made. **Constructive Studies in the Life of Christ**, Burton and Matthews, will be used as reference; also, a brief outline, such as Rall's **Life of Jesus**, will be surveyed. The student will write a summary of the work done in this course. Three term-hours.

2. **Christian Doctrine.** A careful analysis and survey of the doctrines of Christianity. Not open to freshmen. Nine term-hours.



202fw. **The Early Christian Church.**—The organization of the Church and the spread of Christianity as recorded in the **Acts** and **Epistles**. Using the **Acts** as a frame work, the **Epistles**, are fitted into their respective places. Historic relationship is emphasized and the early life of the Apostolic Age is reproduced as nearly as possible. Six term-hours.

103s. **Introduction and Formation of the Canon.**—This is a brief summary of the principles of introduction and a rapid review of the formation of the Canon. Open to juniors and seniors. Three term-hours.

### PRACTICAL TRAINING IN BIBLE AND THEOLOGY

In addition to the above courses there will be Special Classes for those who for good reasons are not able to take the regular courses. In God's Kingdom there is a place for every man and Centenary College will seek to equip all who come asking for the cultivation of their talents. No amount of educational training can make a ten-talented man out of a one-talented boy. Nevertheless the one-talented boy should have opportunity to shape and sharpen that one talent—and to be taught how best to use it.

To that end classes will be organized and the student carefully drilled in the art of sermonizing; in Church and Sunday School Organization; in Hymn and Scripture reading; in Evangelism; in Church History and Doctrines. Social and practical problems will be discussed—the city being used as a laboratory. The jails, hospitals, alms-houses and missions will afford ample facilities for first-hand study and practice.

These very helpful classes will be open to Academy students and other special ministerial students and they will be urged to avail themselves of this rare opportunity.

### BIOLOGY

1. **F. Elementary Zoology and Botany.** In the fall and winter term instruction in the general principles and concepts of zoology is given. The laboratory work includes: Observations, dissections, and experiments upon unicellular animals, such as the amoeba and paramoecium; upon higher invertebrate types, such as earthworm and crayfish; upon a vertebrate type, such as a frog; it also includes a study of emphyryology and cell division. The spring term is devoted to a general introduction to botany. Three lectures and four laboratory hours per week. Fifteen term-hours.

202fw. **Vertebrate Zoology.**—An introduction to the study of the vertebrates and their relatives. This course is especially de-

signed for pre-medical and other students who wish to do advanced work in zoology. The laboratory work will include the dissection of the dogfish, turtle, pigeon, cat, and other typical vertebrates, and the preparation and study of the skeletons of several animals. Material with the circulatory systems injected will be studied. The work is strictly comparative; i. e., each system of organs is taken up and its progressive change from the lowest to the highest forms is followed: Two lectures and four laboratory hours a week. Prerequisite: Biology 1, or its equivalent. Eight term-hours.

104s. **Principles of Hygiene.**—This course is offered to meet the needs of the pre-medical students as well as others especially interested in the field of hygiene. A brief summary will be made of the principles on which modern hygienic practices are based. Such subjects as ventilation, water supply, sewage disposal, causes of disease, disinfection, quarantine, etc., will be studied. The class will inspect water and sewage systems of the city, various packing houses, school buildings, and other places concerned with public health. Prerequisite: Biology 1 or permission of the instructor. Three term-hours.

105f. **Principles of Biology.**—A lecture course. This course includes a general survey of biology and should be followed by 106, for which it is intended as a preparation. Prerequisite: Sophomore standing and Biology 1. Three term-hours.

106w. **Heredity.**—Principles of Heredity in their application to animals, plants, and mankind. Lectures, assigned readings, and problems. Prerequisite: Sophomore standing and Biology 1, or Biology 105. Three term-hours.

103. **Methods in Histology.**.....This course is offered for those who wish to do advanced work in zoology or botany and especially for those who expect to teach these subjects. The laboratory work will include methods of killing, fixing, imbedding, sectioning, staining, and mounting of various biological material; the preparation and care of cultures; and ways of collecting biological materials. Two lectures and three laboratory periods a week during the spring term. Prerequisite: Biology 1, and 202fw. Four term-hours.

## CHEMISTRY

The lower-case letter, a, indicates the fall term's work; b, the winter term's work; c, the spring term's work, and also shows that no portion may be counted till the whole course is completed.

1a. **F. General Inorganic Chemistry.**—Instruction is given in fundamental principles underlying chemistry as a whole, including

such topics as elements, compounds, reactions, practical applications, etc. Recitations and lectures, 3 hours; laboratory, 6 hours per week. Prerequisite: First year mathematics or registration for it. Texts: **General Chemistry** by Holmes and accompanying laboratory manual. Five term-hours.

1b. **F. General Inorganic Chemistry.**—This course is a continuation of 1a. Similar topics of more advanced character are taken up. Prerequisite: Chemistry 1a or its equivalent. Five term-hours.

1c. **F. General Inorganic Chemistry. Qualitative Analysis.**—The lectures and recitation work in this course are a continuation of 1b. The laboratory work is devoted entirely to the qualitative chemistry of inorganic compounds. Prerequisite: Chemistry 1b or its equivalent. Laboratory text: **Qualitative Analysis**, by W. A. Noyes. Five term-hours.

2a. **Advanced Qualitative Analysis.**—Analysis of silicates, metallic compounds and alloys. Commercial applications of qualitative chemistry. Recitations, lectures, two hours; laboratory, nine hours per week. Prerequisite: Chemistry 1abc or its equivalent. Text: **Qualitative Analysis**, W. A. Noyes. Five term-hours.

2b. **Elementary Quantitative Analysis.**—Application of the fundamental laws of chemistry to gravimetric quantitative analysis. Analysis of commercial and industrial products to determine their composition. Recitations and lectures, 2 hours; laboratory, 9 hours per week. Prerequisite: Chemistry 2a or its equivalent. Text: **Quantitative Chemical Analysis**, by Talbot, and **Second Year College Chemistry**, with accompanying laboratory manual by Chapin. Five term-hours.

2c. **Advanced Quantitative Analysis.**—This is a continuation of 2b, and of more advanced character. Stoichiometrical relations and volumetric analysis of various compounds and mixtures. Recitations and lectures, two hours; laboratory, nine hours per week. Prerequisite: Chemistry 2b or its equivalent. Five term-hours.

3a. **Elementary Organic Chemistry.**—This is a study of the fundamental types of organic compounds, their nomenclature, classification, reactions, and general applications. Lectures, recitations, two hours; laboratory, six hours, and one laboratory conference hour per week. Prerequisite: Chemistry 1abc or its equivalent, and sophomore standing. Text: **Theoretical Organic Chemistry**, Cohen. **Laboratory Manual** by W. R. Orndorff. Four term-hours.

**3b. Organic Chemistry.**—This course is a continuation of 3a. Prerequisite: Chemistry 3a. Four term-hours.

**3c. Organic Chemistry.**—This course is a continuation of 3b. Prerequisite: Chemistry 3b. Four term-hours.

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**Note:** Students taking the pre-medical course should plan, if possible, to take the chemistry courses, 1, 2, 3, in the order indicated. If the minimum requirement is desired, then the courses 1 and 3 should be taken.

Those students taking chemistry as the major subject must offer a total of 42 term-hours in chemistry.

## COMMERCE

**11. F. Shorthand and Typewriting.**—The Gregg system of shorthand is taught because of its speed and legibility. The standard typewriting keyboard is used, and the touch system is taught, Three lectures and three laboratory hours a week. Typewriting fee, \$10.00 a year. Nine term-hours.

**O11. F. Typewriting.**—A non-credit course, equivalent to the typewriting course in Commerce 11. Given for the benefit of those who do not desire the shorthand. Typewriting fee, \$10.00 a year.

**1. F. Bookkeeping and Accounting.**—The purpose of this course is to give a thorough knowledge of book-keeping principles, together with sufficient practice to enable a student to qualify for any position he may secure upon the completion of the course. It is taught from the point of view of the business manager, so that in addition to a knowledge of detail, the student is given considerable executive ability. Nine term-hours.

**2. Advanced Accounting.**—Primary emphasis in this course is placed upon the use of accounting reports, and the methods by means of which the information needed for such reports is made available. Prerequisite: Commerce 1. Nine term-hours.

**202fw. Banking.**—This course is a combination of practice and theory. A general study is made of money, credit, and the various types of financial institutions. In connection with this course, a practical private bank is operated by the students, receiving deposits, paying checks, making loans, and in every way performing the work of a real bank. Text: Moulton. Six term-hours.

**103s. Marketing.**—A study of the method by means of which the specialized producer exchanges his product for those of other

specialists. Prerequisite: Economics 1. Text: Duncan. Three term-hours.

104s. **Commercial Law.**—A brief summary of the more important principles with which every business man should be familiar. Prerequisite: Economics 1. Text: Gano. Three term-hours.

101s. **Business Administration.**—This course outlines, in general, the duties of the business manager. Problems connected with marketing, production, finance, etc., are considered. Text: Jones. Three term-hours.

204fw. **Principles of Economics.**—This course presents a general survey of industrial society, its structure, its institutions, its operations. Such problems as, why men work, the advantages of specialization, and the concentration of wealth, are considered. Text: Marshall and Lyon. Six term-hours.

## ECONOMICS AND SOCIOLOGY

1. **F. Introductory Economics.**—An elementary course including a brief history and the definition of the science. Effects of the laws of supply and demand; different theories of rent, wages, and interest; money and banking will also be studied. Nine term-hours.

2. **A. Advanced Economics.**—An advanced course dealing with such subjects as the labor problem, taxation, public finance, and socialism. Term papers on especially assigned subjects. Prerequisite: Economics 1. Nine term-hours.

25. **A. Principles of Sociology.**—An introductory study of the development of society and the growth of its fundamental institutions. Especial attention will be given to such problems as racial relationships and economic classes in modern cities. Prerequisite: History 1 and 2 or junior standing. Nine term-hours.

## EDUCATION AND PSYCHOLOGY

### EDUCATION

1. **History of Education.**—Beginning with the early Greek type, study of each era is made. Special study is given to Luther, Comenius, Locke, Rousseau, Pestalozzi, Hebart, Froebel, and Dewey. A theme that shows a comprehensive grasp of the subject will be required of each student. Not open to freshmen. Nine term-hours.



201fw. **Educational Psychology.**—This is a study of the learning process in the light of educational problems. Much of the work will be the establishing of truths through experiments. Not open to freshmen. Six term-hours.

101s. **Genetic Psychology.**—This course is a study of the psychology of the child. The various methods of development, with the characteristics of each period, will be studied. Not open to freshmen. Three term-hours.

2. A. **Principles of Secondary Education.**—The raw material with which secondary education deals, i. e., boys and girls approximately twelve to sixteen years of age. The school as a social institution—its character, place, and function; the aims of secondary education, viz: health, command of fundamental processes, worthy home-membership, vocation, citizenship, worthy use of leisure, and ethical character; the specializing and unifying character of secondary education, i. e., wide range of subjects, vocational guidance, differential curricula and participation of pupils in common activities. Prerequisite; Junior standing. Nine term-hours.

203ws. A. **Essentials of Tests and Measurements.**—A study of the essential principles of tests and measurements, including the following topics: The need for more accurate means of evaluating educational products, methods of devising tests and scales, standardization of tests, the administration of tests and their uses; the development of intelligence tests and the standardization of same, scoring of tests and tabulation of results; statistical treatment of results, measures of central tendency of a group, coefficients of correlation, etc. Prerequisite: Junior standing or Education 201, or General Psychology 202. Six term-hours.

104f. A. **School Hygiene.**—Lectures, reading, visits, reports and discussions. A discussion of the general principles underlying sanitary school conditions, and the practical application of the same; of the methods of physical and mental examinations of children, and of the ordinary school diseases with which the teacher may be expected to have some familiarity. The lectures and discussions will be supplemented by observations and study of conditions in the schools of the vicinity. Prerequisite: Junior standing, or Education 201, or General Psychology 202. Three term-hours.

## PSYCHOLOGY

202fw. F. **General Psychology.**—A study of the main facts of the central nervous system and sense organs as a foundation for the science of psychology. Human behavior both from the analytical



and functional viewpoints; the three aspects of consciousness, viz: knowledge, feeling, and action; sensation, perception, imagination, memory, apperception; conception, judgment, and reasoning; feelings, emotions, sentiments, desires and temperaments; reflex action, instinctive, habitual and rational behavior; attention and the concept of "The Self." Six term-hours.

### ENGLISH

1. **F. Composition.**—Oral and written exposition and argumentation, description, and narration. Prescribed for freshmen. Students may tentatively select one of the several sections, but the department reserves the right to make any changes necessary. Nine term-hours.

2. **English Literature.**—This course consists of a study of English literature in distinct periods, movements, and forms. Original essays to be written by students in each term. Prerequisite: English 1. Nine term-hours.

201fw. **Drama.**—A history of its development with studies of Sophocles; Aristophanes, Marlowe, Shakespeare, Ibsen, and others. Prerequisite: English 1. Six term-hours.

101s. **Short-Story.**—A study of forms and present-day tendencies based on De Maupassant, Poe, Hawthorne, Stevenson, and writers of today. Prerequisite: English 201. Three term-hours.

202fw. **A. American Literature.**—This is a history of the development of American literature in periods, movements, and forms. Prerequisite: English 1 and 2. Six term-hours.

102s. **A. The Novel.**—This course consists of a study of the novel as an historical development. Prerequisite: English 1 and 2. Three term-hours.

3. **Advanced Composition.**—Short-story writing and journalism. Prerequisite: English 1. Nine term-hours.

4. **A. Victorian Literature.**—Literature in its changes as seen in Carlyle, Mill, Tennyson, Newman, Arnold, Ruskin, Browning, will be followed. Text: Torndike's *Literature in a Changing Age*. Prerequisite: English 2. Nine term-hours.

### GOVERNMENT

101f. **American Federal Government.**—A study of its structure and operation. Prerequisite: Sophomore standing. Three term-hours.

201ws. **The Governments of Europe.**—Emphasis will be laid on the English parliamentary system and the responsibility of ministers. All of the important free governments will be briefly surveyed. Prerequisite: Sophomore standing. Six term-hours.

16. **Constitutional Law.**—Wambaugh's **Cases on Constitutional Law.** This course includes a study of the following subjects: The distinction between legislative, executive, and judicial powers; federal government; the nation and the states; the District of Columbia, the territories, the insular possessions, and kindred topics; or Quasi Imperial Government—some provisions protecting the individual against the state or nation; some provisions protecting the individual and simultaneously promoting nationalism; some provisions promoting nationalism. The case system is used in teaching the course. prerequisite: Sophomore standing or satisfactory evidence of sufficient maturity to appreciate the course. Nine term-hours.

### HISTORY

1. **F. History of Western Europe.**—A general survey of Western Europe from the fall of Rome down to the present time. Special emphasis will be laid on such topics as the development and decay of feudalism; the influence of the Church; the Renaissance; the reformation; the French revolution, and the growth of nationalism and imperialism. Nine term-houss.

2. **English History.**—A review of the entire field of English history with special attention given to the use of the theory of Divine Right of Kings, its destruction by Puritan revolution, the granting of Magna Charta, and its importance as the foundation of the English Constitution; the Reform Bill of 1832; Ireland, etc. Special reports and collateral assignments. Nine term-hours.

3. **A. American History.**—A rapid review of the Colonial Period of American History, with a careful study of the causes of the Revolution, the Articles of Confederation, and the formation of the Federal Constitution. The development of the United States under the Constitution down to Compromise of 1850. The causes and consequences of the Civil War. A careful study of recent history and America's part in the World War. Prerequisite: History 1 and 2. Nine term-hours.

104, 114, 124. **A. Europe Since 1815.**—A course for advanced students dealing with Europe since 1815. The Congress of Vienna, the Holy Alliance, revolutions, and national rivalries, imperialism, and the World War will be studied. Lectures, recitations, term papers, and collateral reading. Prerequisite: History 1 and 2. Three term-hours for each term of course. Credit given on any one term.

**MATHEMATICS**

Candidates for either the A. B. or the B. S. degree must take at least nine term-hours of College mathematics, including Analytical Geometry. For students presenting the minimum entrance requirements in mathematics, the nine term-hours must consist of Mathematics 101, 104 and 106.

Students who make mathematics their major subject are required to take at least twenty-seven term-hours in College mathematics. Those who make physics or chemistry their major subject are advised to take at least nine term-hours in analytic geometry and calculus, in addition to the minimum requirement in mathematics.

101f. F. **Solid Geometry.**—The usual topics of the subject, among which are studies in loci, polyhedrons, and spheres. Open to all students presenting one unit in geometry. Text: Wentworth and Smith. Three term-hours.

102w. F. **College Algebra.**—Algebraic indentities, powers and roots, logarithms, functions of a variable; quadratic equations with one unknown, systems of linear equations, determinants, non-linear systems, inequalities, complex numbers. Prerequisite: Plane geometry and algebra,  $1\frac{1}{2}$  units. Text: Skinner. Three term-hours.

103s. F. **Advanced College Algebra.**—Equations of any degree; determinations; binominal theorem; progressions; permutations; combinations; probability; sequences and limits; theory of numbers; infinite series. Prerequisite: Mathematics 102w. Three term-hours.

104s. F. **Plane Trigonometry.**—The use of the tables of the natural trigonometric functions and of logarithmic functions in the solution of triangles; emphasis given to the derivation of trigonometric formulas and the proof of trigonometric identities. Attention is given to the application of navigation and surveying. Text: Bauer and Brooke. Three term-hours.

105f. **Spherical Trigonometry.**—The derivation of formulas used in the solution of spherical triangles and their application to the problems of astronomy and surveying. Prerequisite: Mathematics 104. Text: Bauer and Brooke. Three term-hours.

106f. F. **Plane Analytical Geometry.**—A development of the notations of co-ordinate geometry. Fundamental problems of analytics. Geometry of the straight line and the conic sections. Prerequisite: Mathematics 101 and 104. Text: Tanner and Allen. Three term-hours.

107w. **Plane Analytical Geometry.**—Completion of Mathematics 106, followed by a study of the general equation of the second degree and of higher plane curves. Text: Tanner and Allen. Three term-hours.

108s. **Solid Analytical Geometry.**—Equations of the plane and the straight line in space; quadric surfaces. Prerequisite: Mathematics 106 and 107. Text: Smith and Gale. Three term-hours.

109f. **Differential Calculus.**—Rules for differentiation; application of the derivative; maxima and minima; differentials and rates; indeterminate forms; partial differentiation. Prerequisite: Mathematics 106. Text: Granville and Smith. Three term-hours.

110w. **Differential Calculus.**—Continuation of Mathematics 109. Direction of curves; curvature; evolutes and involutes; envelopes. Text: Granville and Smith. Three term-hours.

111s. **Integral Calculus.**—This course consists of a brief review of differential and an elementary course in integral calculus involving the application of integration to engineering. Prerequisite: Mathematics 109. Text: Granville and Smith. Three term-hours.

112. **Differential Equations.**—Given in fall or winter if demanded. A study of the more common types of ordinary differential equations, especially those of the first and second order, with emphasis on geometrical interpretations and applications to mechanics and physics. Prerequisite: Mathematics 111. Text: Johnson. Three term-hours.

## MODERN LANGUAGES

### FRENCH

1. **F. Elementary French Grammar.**—Reading, conversation, writing. In this course the instructor attempts to give the student the principles of French Grammar, a thorough knowledge of the French verb, and a start at reading texts, moderately difficult, as well as an ability to use conversational phrases. Nine term-hours.

2. **F. Intermediate French.**—A continuation of French 1, reading advanced texts and abundant practice in conversation. Advanced composition will be required. The instructor aims to give the student an ability to read easily any ordinary French and to talk the language. Prerequisite: French 1. Nine term-hours.

3. **The French Romantic School.**—Victor Hugo and George Sand will be studied. The course is intended for students who are expecting to teach French: so a review of French Grammar will be

given and much practice in talking the language will be offered. Outside reading will be required. Prerequisite: French 1 and 2. Nine term-hours.

4. **A. French Literature.**—French Literature will be studied with a history of the subject, perused outside of class, and a rapid survey of the important authors by means of selections from their works. Fiction, poetry, and drama will all be studied. Essays in French and abundant conversation will be required. Prerequisite: French 3. Nine term-hours.

101s. **A. Special French.**—Balzac, French poetry, Seventeenth Century French Literature. Prerequisite: French 3. Three term-hours.

## SPANISH

1. **F. Elementary Spanish Grammar.**—Reading, conversation, writing. In this course, the instructor attempts to give the student the principles of Spanish Grammar, a thorough knowledge of the Spanish verb, and a start at reading texts, moderately difficult, as well as an ability to use conversational phrases. Nine term-hours.

2. **F. Intermediate Spanish.**—A continuation of Spanish 1. Reading advanced texts, and abundant practice in conversation. Advanced composition will be required. The instructor aims to give the student an ability to read easily any ordinary Spanish and to talk the language. Prerequisite: Spanish 1. Nine term-hours.

3. **Commercial Spanish.**—The modern school of Spanish novelists and dramatists will be studied. Outside reading will be required and conversation in the language will be emphasized. As the course is planned for those intending to use Spanish in business life, the forms of business correspondence will be thoroughly taught. The course will also prepare students for teaching Spanish in the schools. Prerequisite: Spanish 2. Nine term-hours.

101s. **A. Special Spanish.**—A course in Don Quixote and the early dramatists. Prerequisite: Spanish 3. Three term-hours.

## MUSIC

The Department of Music provides for private instruction in Piano and Voice, Harmony, Sight-Singing, History of Music, Musical Appreciation and Interpretation. Credit is given to College students taking this work, and credit toward a Music Certificate is given for all work in the Department.

Violin, Cornet, Trombone, and all Band Instruments are taught, and special instruction is given in Directing and Organization.



### Glee Club and Band

Students who are qualified may become members of the Glee Club or Band. Efficient work done in these organizations will be recognized upon recommendation of the Director of the Department and upon approval of the Credit Committee.

### PHYSICS

1a. F. **General Physics.**—A general college course in molecular physics, fluids, and heat, with emphasis on the application. Recitations and lectures, three hours; laboratory, four hours per week. Prerequisite: Mathematics 1 or its equivalent. Text: **College Physics**, Carhart. Five term-hours.

1b. F. **General Physics.**—A continuation of College Physics 1a. Electricity and magnetism, based on practical measurements. Lectures and recitations, three hours; laboratory, four hours per week. Prerequisite: Physics 1a, or its equivalent. Five term-hours.

1c. F. **General Physics.**—A continuation of Physics 1b. A general course in sound and light. Lectures and recitations, three hours; laboratory, four hours per week. Prerequisite: Physics 1b or its equivalent. Five term-hours.

125f. **Principles of Radio Communication.**—This course takes up in detail the underlying principles of present day radio communication, both receiving and sending, with emphasis placed on the receiving apparatus. Such topics as types of detectors, tuners, recorders, damped and undamped receivers, and transmitters. Lectures and recitations, two hours per week. Practical construction and operation of sets, both transmitters and receivers are taken up in the laboratory. Inspection trips. Three hours laboratory per week. Prerequisite: Physics 1abc, or its equivalent, and instructor's permission. Three term-hours.

126w. **Principles of Radio Communication.**—This is a continuation of Physics 125, and takes up more advanced topics, such as the ultra-audion circuit, simple types of regenerative circuits, single circuit type receivers, double circuit, triple circuit, and others. Prerequisite: Physics 125, and instructor's permission. Three term-hours.

127s. **Principles of Radio Communication.**—A continuation of Physics 126, and topics of more advanced character. Such subjects as audio-frequency amplification, radio-frequency amplification, superheterodyne circuit; special regenerative circuits and special modifications such as super-regenerative circuit, Reinartz circuit, Flewelling, Ultra Reinartz, reflex circuit. Emphasis will be placed on the es-

essential principles involved in the construction, operation, and improvement of receiving apparatus. Prerequisite: Physics 126, and instructor's permission. Three term-hours.

### PUBLIC SPEAKING

31. **Argumentation.**—This course consists of brief making, elementary logic, and practical experience in debating. Nine term-hours.

102. **Public Speaking.**—This course consists of practical experience in debating. The class meets once a week during the entire year. Three term-hours.

# The Academy

A HIGH-GRADE PREPARATORY  
SCHOOL

SHREVEPORT, LOUISIANA

## CENTENARY COLLEGE ACADEMY

## THE FACULTY

- C. M. Hughes**, English.....Headmaster  
A. B., B. O., Kentucky State Normal. Graduate student the  
University of Chicago.
- \*D. B. Raulins**.....Latin  
A. B., Ruskin-Cave College. Graduate student Vanderbilt.
- W. A. Harrell**.....History  
A. B., Millsapps College.
- L. Beverly Hebert**.....French and Spanish  
B. S., Millsaps College.
- W. F. Roberts**.....Science  
B. S., Centenary College.
- Geo. M. Leonard**.....Coach and Assistant in Science  
A. B., Wofford College.
- Mrs. J. B. Cunningham**.....Mathematics  
L. I., Mansfield College.
- C. L. Odom**.....Assistant in Mathematics
- Mary Jewel Kimball**.....Expression and Dramatic Art  
B. L., Northwestern University.

\* On leave of absence 1923-24.

### GENERAL STATEMENT

The Academy of Centenary College is a preparatory school giving four years of regular high school work. It is under the same general administration as the College, but the buildings, faculty, student body, and student activities of every type are entirely separate. It is on the list of "State Approved High Schools" and is a member of the "Association of Colleges and Secondary Schools of the Southern States."

### DORMITORY FACILITIES

The Academy dormitory is separate from the College and is under the supervision of members of the faculty living in the building. The rooms are large, well-lighted, ventilated, and heated by gas. Each room has hot and cold water in it and the students living in the dormitory have access to hot and cold shower baths in the building. Each room is equipped with all the furniture that is necessary, including a mattress, but boys furnish their own bed linen, quilts, towels, dresser scarfs and toilet articles.

The Academy boys have access to the College dining room. The food is prepared under the direction of a highly trained dietitian. It is excellent in quality, scientifically prepared, and plentifully served.

There is no dormitory for girls.

### ACADEMY AWARDS

There are a number of awards and prizes available to students in the Academy. Information about these can be had by addressing the Headmaster.

### EXPENSES

(Two terms,  $4\frac{1}{2}$  months each, to the school year)

### TUITION AND FEES

Tuition per term of $4\frac{1}{2}$ months each.....	\$50.00
Matriculation Fee, paid once only on entrance.....	5.00
Contingent Fee, each term.....	2.50
Library Fee, each term.....	2.00
Athletic Fee, each term.....	2.50
Library Deposit, returnable less deductions for fines and damage or loss of books.....	2.00